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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,720	09/12/2003	Susumu Sasaki	501.43139X00	7650
20457 75	590 04/06/2006	EXAMINER		
	, TERRY, STOUT & SEVENTEENTH STRI	SANTIAGO, MARICELI		
SUITE 1800			ART UNIT	PAPER NUMBER
ARLINGTON,	VA 22209-3873		2879	

DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	<u></u>	H				
	Application No.	Applicant(s)				
Office Action Summary	10/660,720	SASAKI ET AL.				
Office Action Summary	Examiner	Art Unit				
The MAN INC DATE of this communication and	Mariceli Santiago	2879				
The MAILING DATE of this communication app Period for Reply	ears on the cover sneet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timular iii apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE.	N. nely filed the mailing date of this communication. D. (35 U.S.C. 6 133)				
Status						
1) Responsive to communication(s) filed on 23 Ja	nuary 2006.					
	,					
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-13</u> is/are pending in the application.						
	4a) Of the above claim(s) <u>8-13</u> is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>6 and 7</u> is/are allowed.						
6) Claim(s) <u>1-5</u> is/are rejected.						
•	 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
o) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner						
10) \boxtimes The drawing(s) filed on <u>12 September 2003</u> is/are: a) \boxtimes accepted or b) \square objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
The bath of declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:		-(d) or (f).				
 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. 						
 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage 						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 10/31/2005. 	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	ite atent Application (PTO-152)				

DETAILED ACTION

Response to Amendment

The Amendment, filed on January 23, 2006, has been entered and acknowledged by the Examiner.

Claims 1-13 are pending in the instant application.

The Substitute Specification filed on November 14, 2003 has been entered.

Election/Restrictions

Claims 8-13 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Applicant timely traversed the restriction (election) requirement in the reply filed on January 23, 2006.

The traversal is on the grounds that in light of the amendment of claim 10 of Invention II, the method as claimed in such claim of Invention II, as amended, is coextensive with the product as claimed in Invention I, thus, the Examiner's comments concerning possibilities of different processes do not relate to the claimed subject matter, as amended. This is not found persuasive because the method as claimed is not considered to be coextensive with the product as claimed. The product as claimed can be manufactured by another and materially different process, particularly, as evidenced by reference to Oki et al. (JP 2000-348599) which discloses the manufacture of the electron sources by deposition of a material containing boron over the cathode lines, differing from the claimed method of adhering boron to the already deposited electron sources. Accordingly, the restriction requirement between Inventions I, directed to product, and Invention II, directed to the manufacturing method, is sustained.

Applicant's arguments regarding the restriction requirement between Species I and Species II of Invention I are persuasive, thus the restriction requirement between these two species is hereby withdrawn.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Oki et al. (JP 2000-348599 A).

Regarding claim 1, Oki discloses a display device comprising a back panel which includes a plurality of cathode lines (2), a plurality of electron sources (4) which are arranged on the plurality of cathode lines, control electrodes (6) which are arranged to face the cathode lines in an opposed manner and control an emission quantity of electrons from the electron sources, and a back substrate (1) which holds the cathode lines, and a face panel which includes anodes and fluorescent materials (Paragraph [0016]), wherein the control electrodes include a plurality of small apertures (3) which allow electrons emitted from the electron sources to pass therethrough to the face panel side at respective regions which face each electron source, and each respective electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and the small electron sources contain boron (Paragraph [0009]).

Regarding claims 2 and 3, Oki discloses a display device wherein boron is arranged on control-electrode-side surfaces and on cathode-line-side surfaces of the small electron sources (Paragraph [0020], where the boron containing emissive material is deposited on the cathode lines 2, thus, being arranged in both the control-electrode-side surfaces and on cathode-line-side surfaces of the small electron sources).

Regarding claim 4, Oki discloses a display device wherein boron is arranged on surfaces of the cathode lines with respect to a plurality of small electron sources in common (Fig. 3).

Regarding claim 5, Oki discloses a display device wherein the area of a small electron source is set smaller than the area of the small aperture which corresponds to the small electron source (Fig. 4).

Allowable Subject Matter

Claims 6 and 7 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 6, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 6, and specifically comprising the limitation of each respective electron source is divided into a plurality of small electron sources corresponding to the plurality of respective small apertures provided in each region, and the small electron sources and the control electrodes contain boron. Claim 7 dependent upon claim 6 is allowable for substantially the same reasons.

Art Unit: 2879

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mariceli Santiago whose telephone number is (571) 272-2464. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mariceli Santiago Primary Examiner Art Unit 2879